

How to find PDF table and extract as CSV with PDF extractor SDK in C# using ByteScout Data Extraction Suite

Learning is essential in computer world and the tutorial below will demonstrate how to find PDF table and extract as CSV with PDF extractor SDK in C#

Every ByteScout tool includes simple example C# source codes that you can get here or in the folder with installed ByteScout product. Want to find PDF table and extract as CSV with PDF extractor SDK in your C# app? ByteScout Data Extraction Suite is designed for it. ByteScout Data Extraction Suite is the set that includes 3 SDK products for data extraction from PDF, scans, images and from spreadsheets: PDF Extractor SDK, Data Extraction SDK, Barcode Reader SDK.

The following code snippet for ByteScout Data Extraction Suite works best when you need to quickly find PDF table and extract as CSV with PDF extractor SDK in your C# application. This C# sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! This basic programming language sample code for C# will do the whole work for you to find PDF table and extract as CSV with PDF extractor SDK.

ByteScout provides the free trial version of ByteScout Data Extraction Suite along with the documentation and source code samples.

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Source Code Files:

```
using System.Diagnostics;
using Bytescout.PDFExtractor;

namespace FindTableAndExtractAsCsv
{
    class Program
    {
        static void Main(string[] args)
        {
            // Create Bytescout.PDFExtractor.CSVExtractor instance
            CSVExtractor csvExtractor = new CSVExtractor();
            csvExtractor.RegistrationName = "demo";
            csvExtractor.RegistrationKey = "demo";

            // Create Bytescout.PDFExtractor.TableDetector instance
            TableDetector tableDetector = new TableDetector();
            tableDetector.RegistrationKey = "demo";
            tableDetector.RegistrationName = "demo";

            // Set table detection mode to "bordered tables" - best for tables with clear borders
            tableDetector.ColumnDetectionMode = ColumnDetectionMode.BorderedTables;

            // We should define what kind of tables we should detect.
            // So we set min required number of columns to 3 ...
            tableDetector.DetectionMinNumberOfColumns = 3;
            // ... and we set min required number of rows to 3
            tableDetector.DetectionMinNumberOfRows = 3;

            // Load sample PDF document
            csvExtractor.LoadDocumentFromFile(@".\sample3.pdf");
            tableDetector.LoadDocumentFromFile(@".\sample3.pdf");

            // Get page count
            int pageCount = tableDetector.GetPageCount();

            for (int i = 0; i < pageCount; i++)
            {
                int t = 1;
                // Find first table and continue if found
                if (tableDetector.FindTable(i))
                {
                    do
                    {
                        // Set extraction area for CSV extractor to rectangle received
                        csvExtractor.SetExtractionArea(tableDetector.FoundTableLocation);
                        // Export the table to CSV file
                        csvExtractor.SavePageCSVToFile(i, "page-" + i + "-table-" + t + ".csv");
                        t++;
                    }
                    while (tableDetector.FindNextTable()); // search next table
                }
            }
        }
    }
}
```

```
// Cleanup
csvExtractor.Dispose();
tableDetector.Dispose();

// Open first output file in default associated application (for demo purpose)
ProcessStartInfo processStartInfo = new ProcessStartInfo("page-0-table-1.csv");
processStartInfo.UseShellExecute = true;
Process.Start(processStartInfo);
}
}
```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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